

NSG-241US

Appln. No.: 10/516,398
Amendment Dated May 24, 2006
Reply to Office Action of January 24, 2006

Amendments to the Specification:

Please replace the paragraph, beginning at page 4, last paragraph (paragraph 9), with the following rewritten paragraph:

This ground wave reception antenna unit comprises a reflector positioned under the planar antenna 10, the reflector extending in a horizontal direction or inclining by an angle of δ ($0 - 30^\circ$) from a horizontal direction ~~with and~~ being spaced from the planar antenna. In this embodiment, the reflector is positioned inclining from a horizontal by 6° . A reflected image antenna 20 is formed by the reflector 18 positioned inclining from a horizontal direction, and an effective aperture area for a vertically polarized wave propagating in a horizontal direction apparently increases from $S \times \cos \theta_{\tau}$. In this way, a directional gain for a vertically polarized wave in a horizontal direction is improved.